

[FIG.1]

100 CLIENT  
104 SIP SESSION  
101 RELAY SERVER  
5 104 SIP SESSION  
103 APPLICATION SERVER  
102 NETWORK  
105 APPLICATION SESSION

10 [FIG.2]

100 CLIENT  
106 CLIENT REQUEST TRANSMISSION SECTION  
115 CLIENT RESPONSE RECEPTOIN SECTION  
116 CLIENT CONFIRMATION TRANSMISSION SECTION  
15 119 CLIENT SERVICE SECTION  
101 RELAY SERVER  
107 RELAY SERVER REQUEST RECEPTION SECTION  
108 AUTHENTICATION SECTION  
109 APPLICATION SERVER SEARCH SECTION  
20 110 RELAY SERVER RELAY SECTION  
114 RELAY SERVER RESPONSE RELAY SECTION  
117 RELAY SERVER CONFIRMATION RELAY SECTION  
103 APPLICATION SERVER  
111 APPLICATION SERVER REQUEST RECEPTION SECTION  
25 112 RECEPTION DECISION SECTION  
113 APPLICATION SERVER RESPONSE TRANSMISSION SECTION  
118 APPLICATION SERVER CONFIRMATION RECEPTION SECTION  
120 APPLICATION SERVER SERVICE SECTION

[FIG.3]

100 CLIENT  
101 RELAY SERVER  
5 103 APPLICATION SERVER  
SERVICE OF APPLICATION SERVER

[FIG.4]

100 CLIENT  
10 119 CLIENT SERVICE SECTION  
121 CLIENT DISCONNECTION REQUEST TRANSMISSION SECTION  
126 CLIENT DISCONNECTION RESPONSE RECEPTION SECTION  
101 RELAY SERVER  
122 RELAY SERVER DISCONNECTION REQUEST RELAY SECTION  
15 125 RELAY SERVER DISCONNECTION RESPONSE RELAY SECTION  
127 SESSION CONTROL SECTION  
128 TIME BILLING SECTION  
103 APPLICATION SERVER  
120 APPLICATION SERVER SERVICE SECTION  
20 123 APPLICATION SERVER DISCONNECTION REQUEST RECEPTION  
SECTION  
124 APPLICATION SERVER DISCONNECTION RESPONSE  
TRANSMISSION SECTION

25 [FIG.5]

100 CLIENT  
119 CLIENT SERVICE SECTION  
101 RELAY SERVER

131 APPLICATION BILLING SECTION  
103 APPLICATION SERVER  
120 APPLICATION SERVER SERVICE SECTION  
129 APPLICATION SERVER BILLING SECTION  
5 130 BILLING INFORMATION NOTIFICATION SECTION

[FIG.6]

100 CLIENT  
119 CLIENT SERVICE SECTION  
10 121 CLIENT DISCONNECTION REQUEST TRANSMISSION SECTION  
126 CLIENT DISCONNECTION RESPONSE RECEPTION SECTION  
101 RELAY SERVER  
122 RELAY SERVER DISCONNECTION REQUEST RELAY SECTION  
125 RELAY SERVER DISCONNECTION RESPONSE RELAY SECTION  
15 131 APPLICATION BILLING SECTION  
103 APPLICATION SERVER  
120 APPLICATION SERVER SERVICE SECTION  
123 APPLICATION SERVER DISCONNECTION REQUEST RECEPTION  
SECTION  
20 124 APPLICATION SERVER DISCONNECTION RESPONSE  
TRANSMISSION SECTION  
129 APPLICATION SERVER BILLING SECTION  
130 BILLING INFORMATION NOTIFICATION SECTION

25 [FIG.7]

100 CLIENT  
200 CLIENT APPLICATION SECTION  
201 SIP CLIENT SECTION

EXCHANGE OF APPLICATION DATA

101 RELAY SERVER

202 USER AUTHENTICATION SECTION

203 APPLICATION SERVER SEARCH SECTION

5 204 SESSION CONTROL SECTION

205 BILLING CONTROL SECTION

SIP REQUEST MESSAGE

SIP RESPONSE MESSAGE

206 SIP SERVER SECTION

10 SIP REQUEST MESSAGE

SIP RESPONSE MESSAGE

103 APPLICATION SERVER

207 SERVER APPLICATION SECTION

208 APPLICATION SERVER SIP CLIENT SECTION

15

[FIG.8]

100 CLIENT

101 RELAY SERVER

103 APPLICATION SERVER

20 SERVICE OF APPLICATION SERVER

SERVICE OF CHANGED APPLICATION SERVER

[FIG.9]

101 RELAY SERVER

25 100 CLIENT

SERVICE OF APPLICATION SERVER

103 APPLICATION SERVER

SERVICE OF APPLICATION SERVER

300 SECOND APPLICATION SERVER

[FIG.10]

100 CLIENT  
5 101 RELAY SERVER  
103 APPLICATION SERVER  
300 APPLICATION SERVER  
SERVICE OF FIRST APPLICATION SERVER  
SERVICE OF SECOND APPLICATION SERVER

10

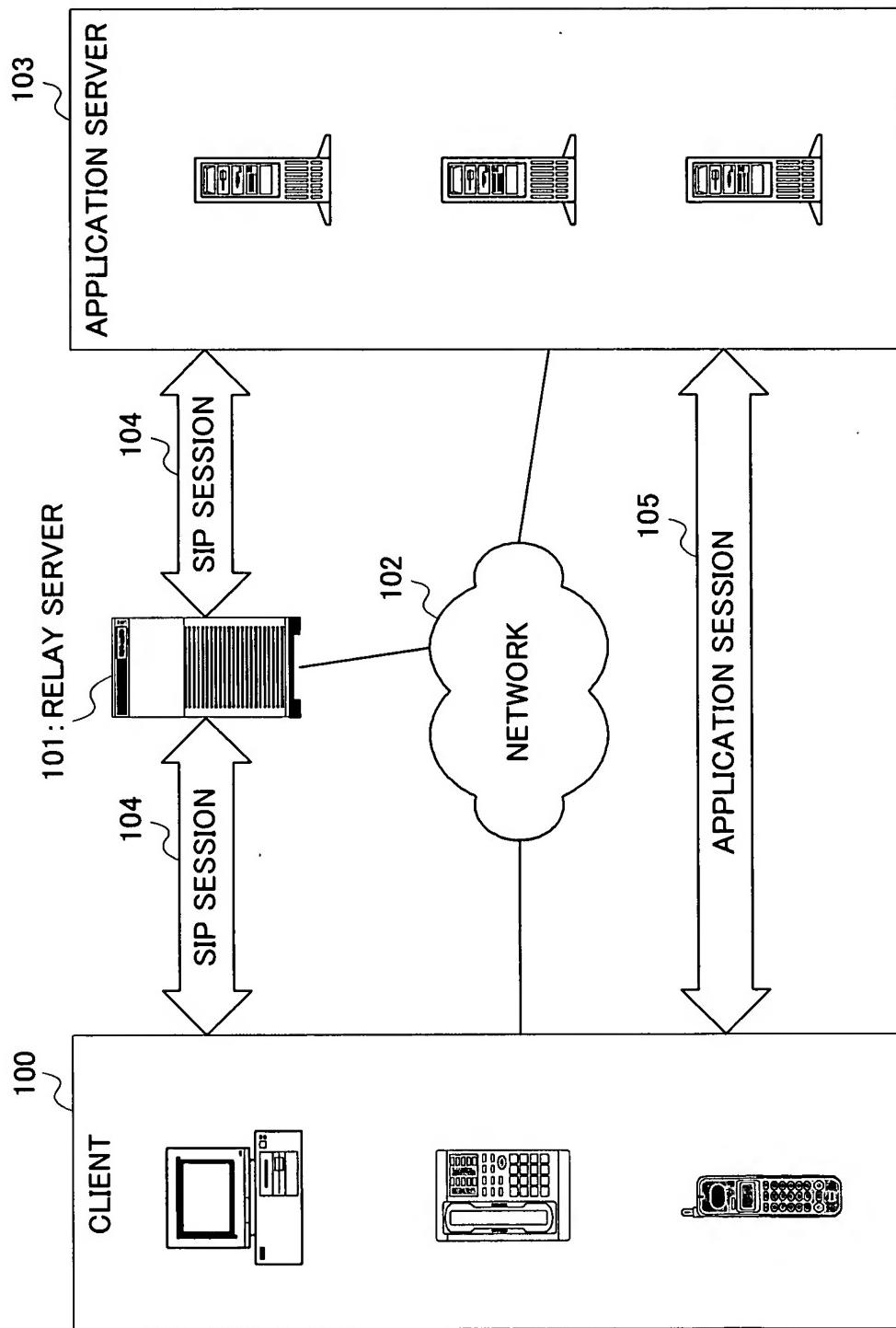


FIG.1

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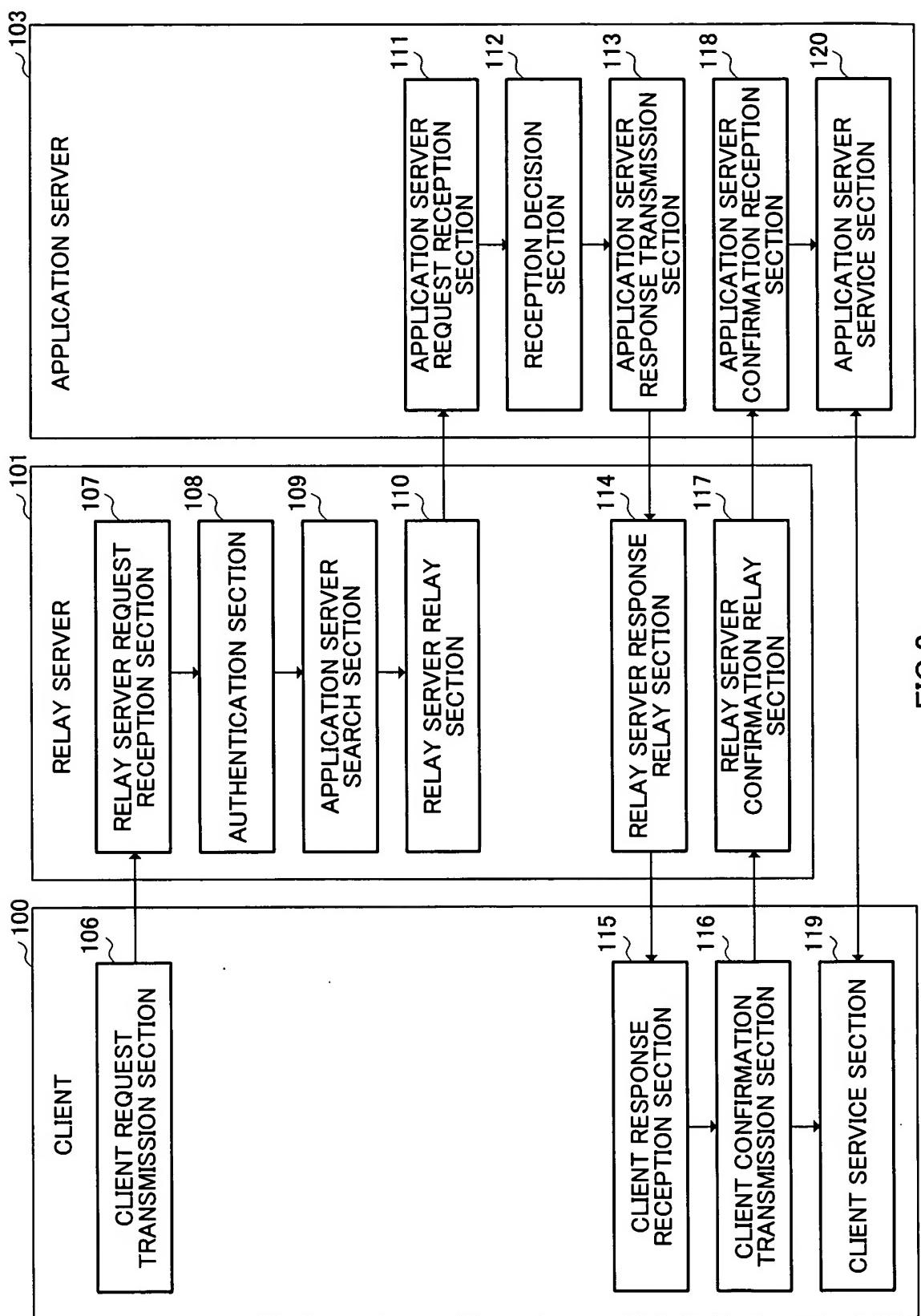


FIG.2

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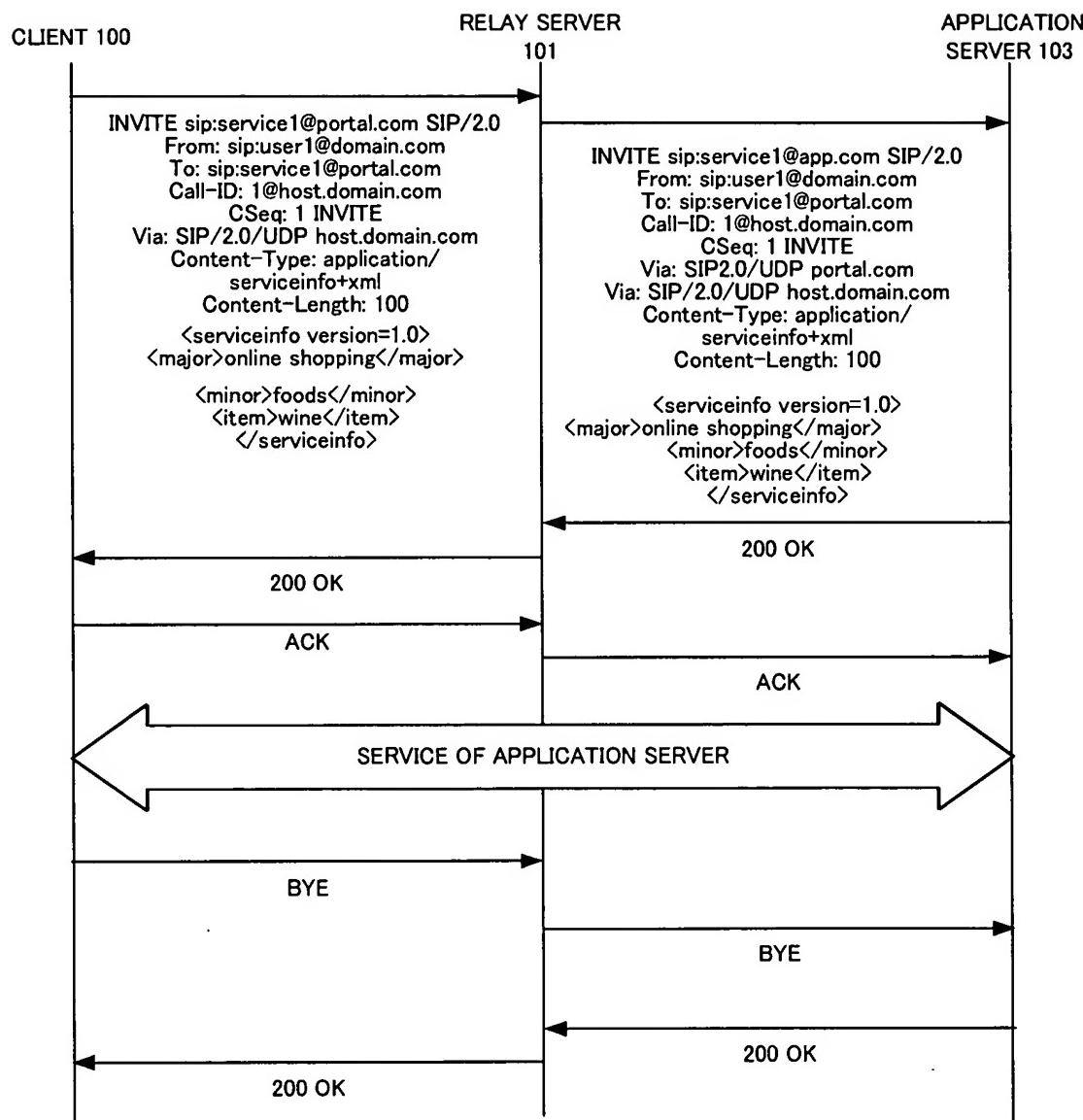


FIG.3

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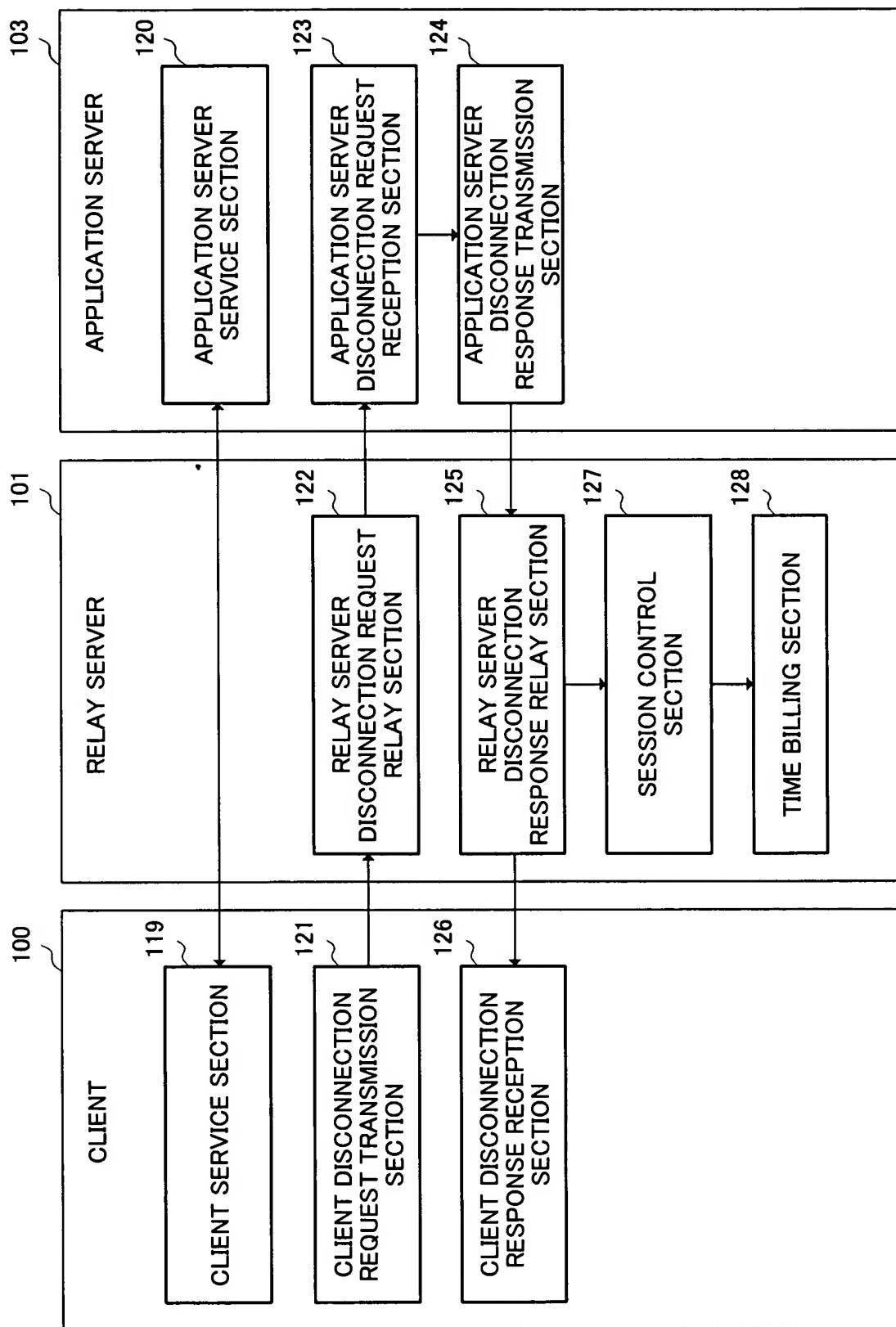


FIG.4

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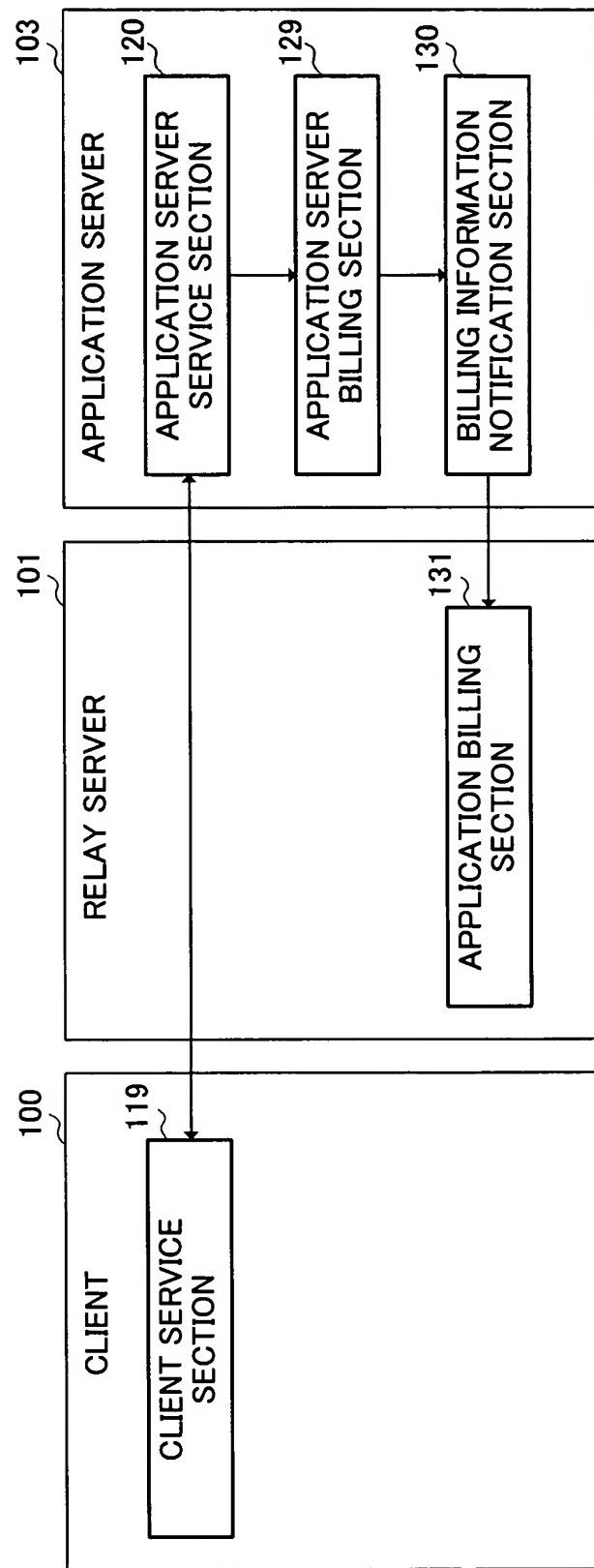


FIG.5

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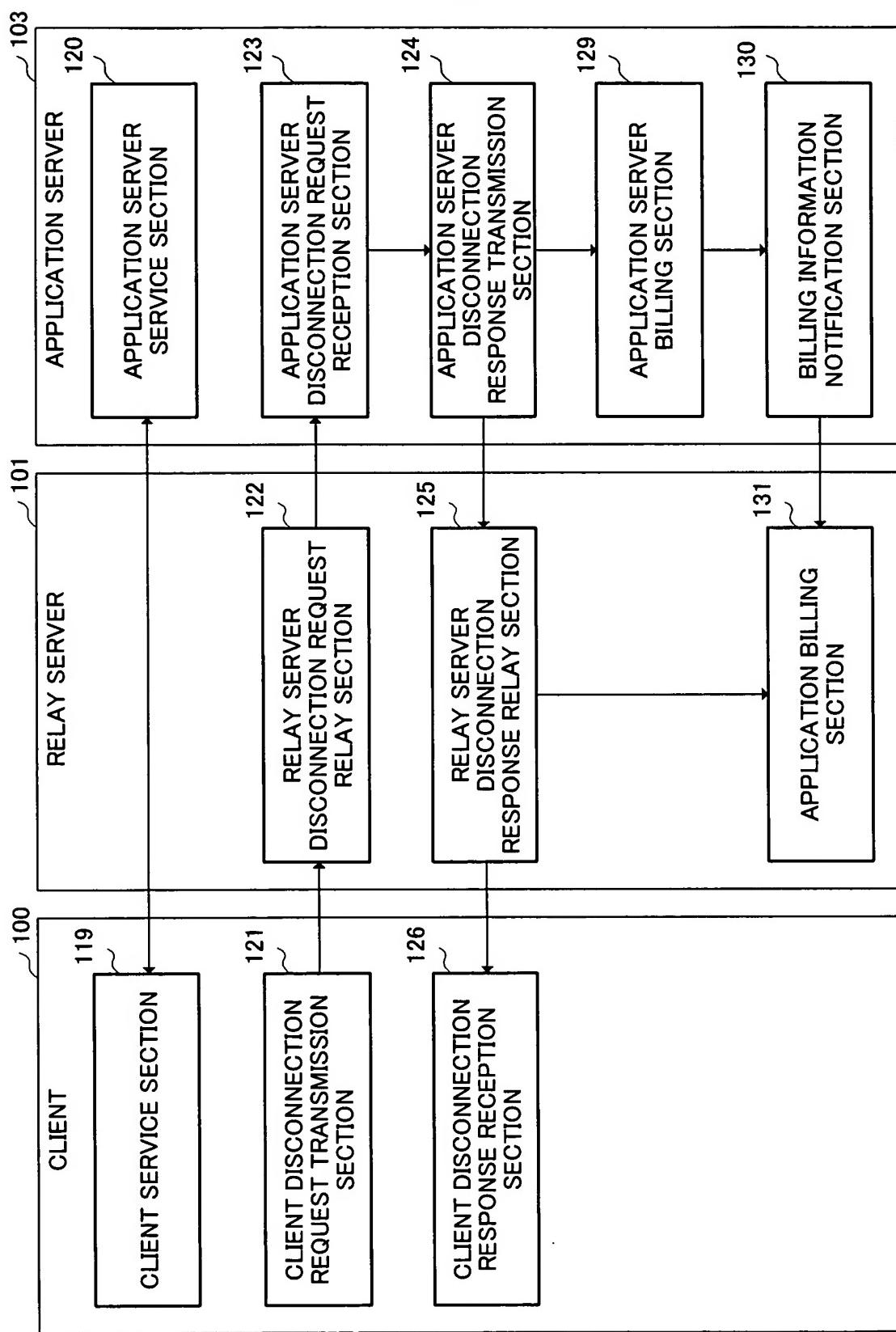


FIG.6

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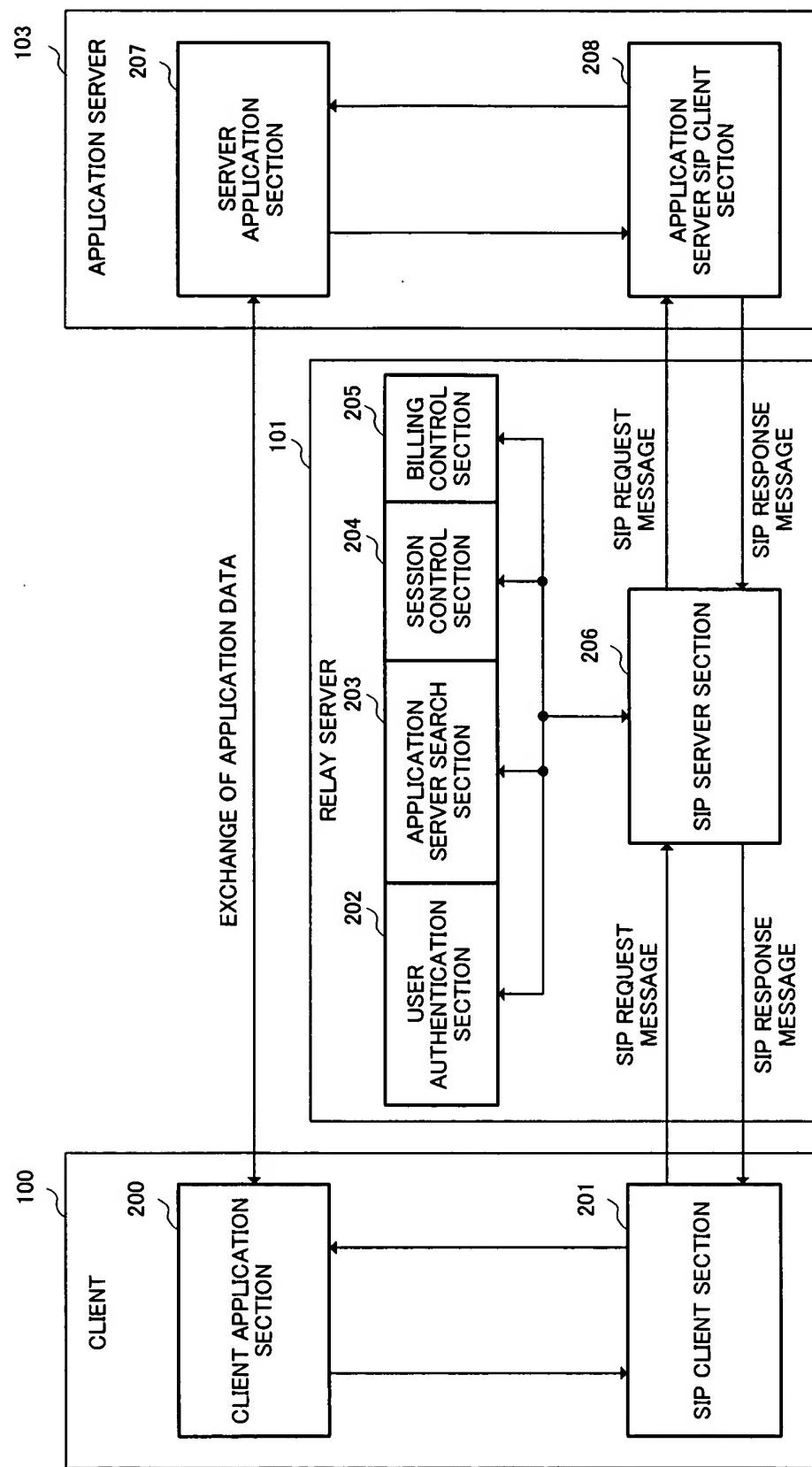


FIG.7

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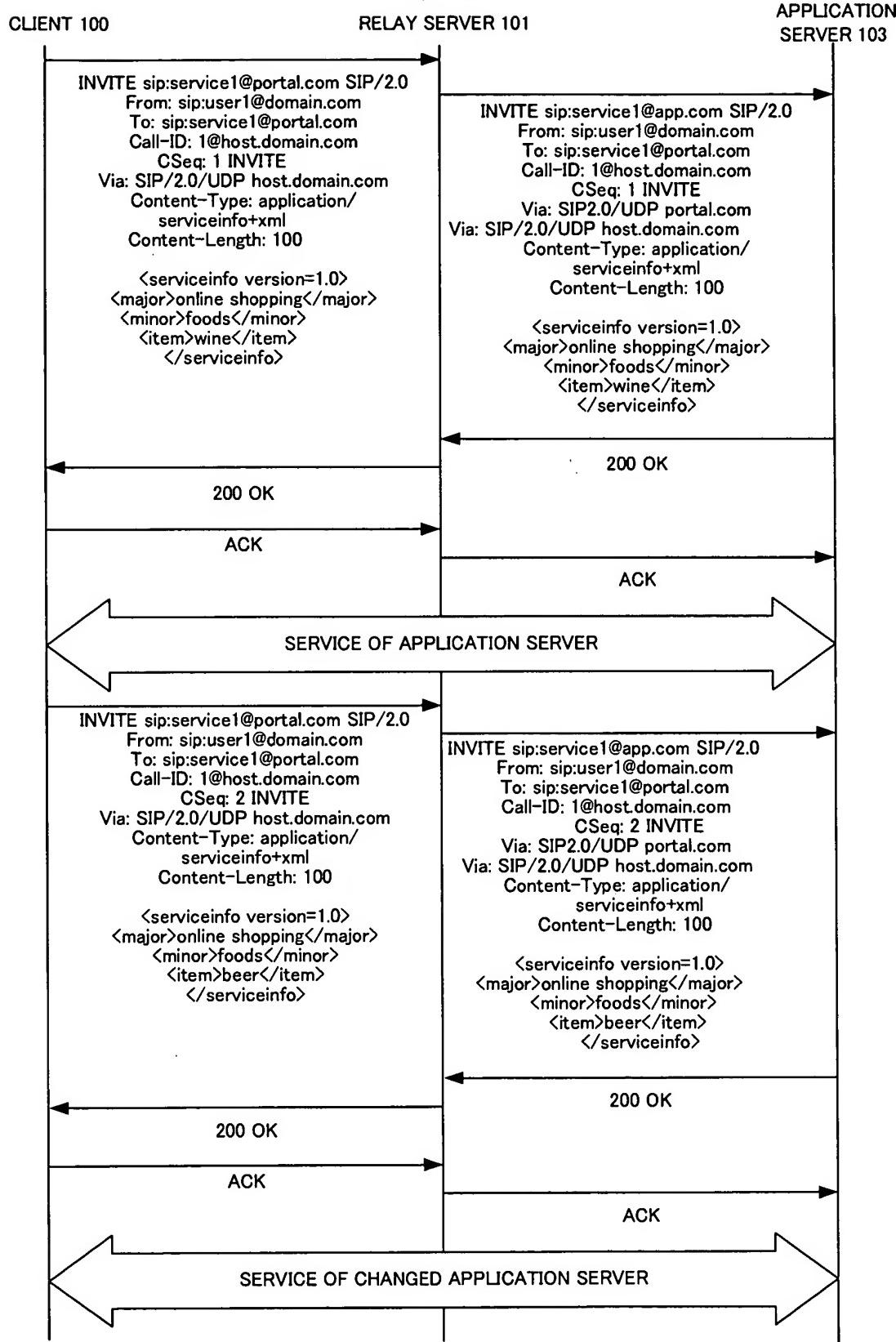


FIG.8

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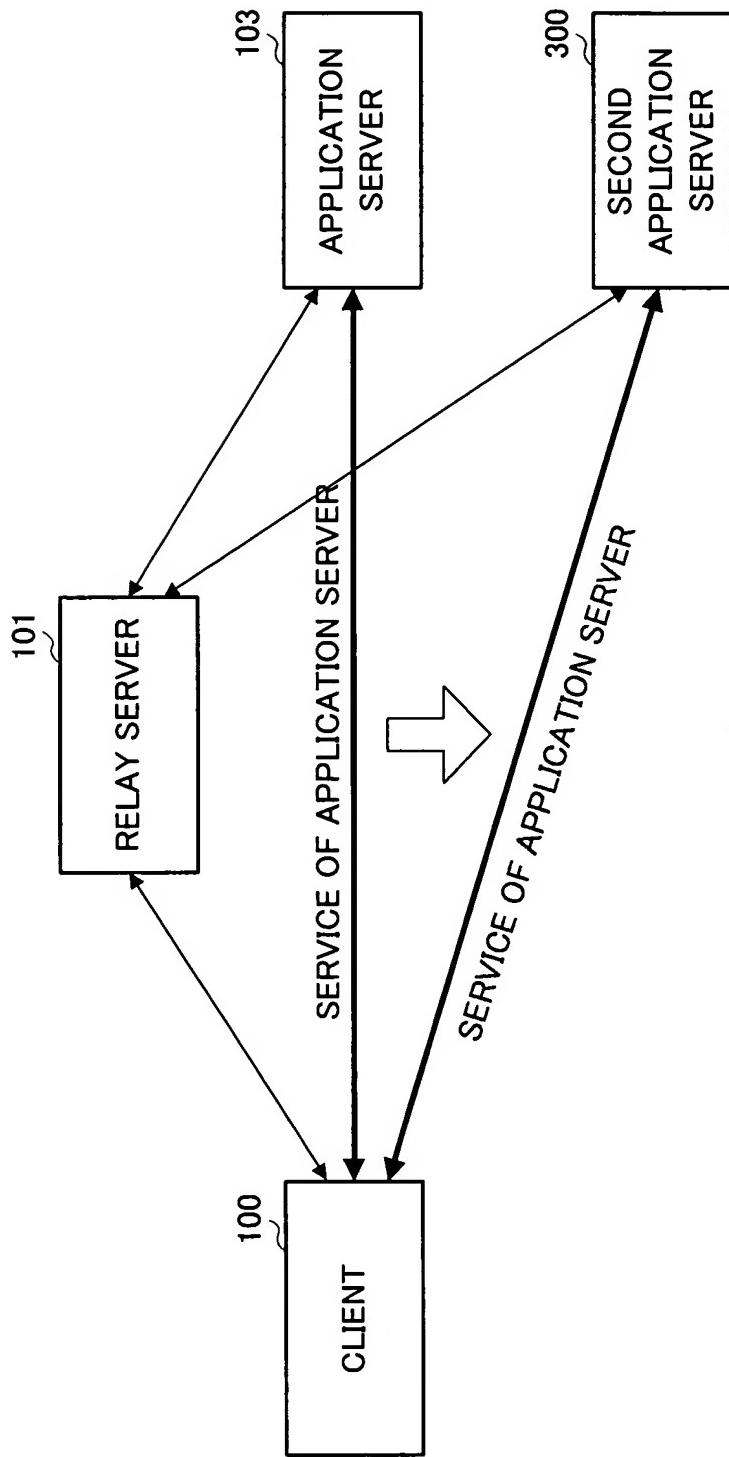


FIG.9

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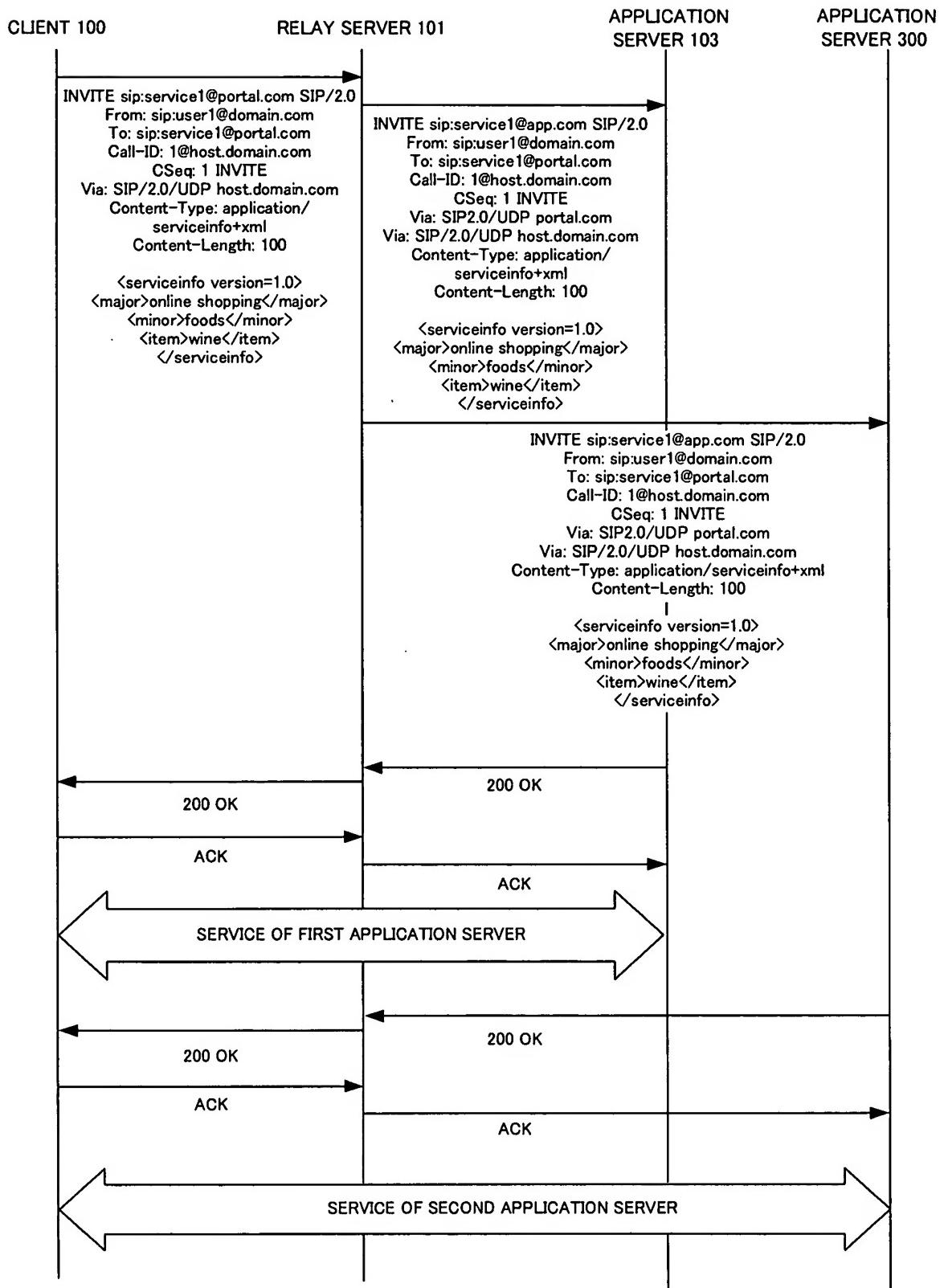


FIG.10